GOVERNMENT OF INDIA
SPACE
LOK SABHA

UNSTARRED QUESTION NO:655
ANSWERED ON:02.12.2015
Indian Space Programme
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Will the Minister of SPACE be pleased to state:

(a) whether the primary objective of the Indian Space Programme/Mission is to achieve self-reliance in Space Technology and to execute programmes/missions for the socio-economic development of the country;
(b) if so, the details of the programmes/missions drawn up and those proposed by ISRO for socio-economic development of the country;
(c) the funds allocated/utilised for the purpose during the Eleventh and Twelfth Plan periods; and
(d) the steps taken by the ISRO for the commercial exploitation of indigenously developed space technology including the foreign exchange earned therefrom during the said period?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PG & PENSIONS AND IN THE PRIME MINISTER'S OFFICE (DR. JITENDRA SINGH):

(a) Yes Madam.

(b) The programmes/ missions drawn up and proposed by Indian Space Research Organization (ISRO) for the socio-economic development of the country include (i) Earth Observation programme for natural resources inventory and management (like agriculture, land and water resources, fisheries), near real time disaster management support, weather forecasting, smart governance; (ii) Satellite Communication programmes for telecommunication, television broadcasting, Direct-to-Home services, search and rescue, tele-education, telemedicine and (iii) Satellite Navigation programme for location based services. To enable these, ISRO has embarked on the following programmes:

i. Launch Vehicle development programme comprising of Polar Satellite Launch Vehicle (PSLV), Geosynchronous Satellite Launch Vehicle (GSLV) and next generation GSLV Mk-III launch vehicle missions.
ii. Earth Observation programme consisting of state-of-the-art remote sensing satellites viz. Resourcesat, Cartosat, Oceansat, Radar Imaging Satellite, Geo-Imaging Satellite and weather/climate satellites viz. INSAT-3DR missions.
iii. Satellite Communication programme comprising of INSAT/GSAT communication satellites
iv. Satellite Navigation programme consisting of constellation of 7 Indian Regional Navigation Satellite System (IRNSS) along with associated ground segment intended to provide accurate positional information and timing services.
v. Space science and planetary exploration programme

(c) Funds allocated/utilised during 11th and 12th Plan periods are given below:
(Rs.In Crores)

Five Year Plan	Allocation	Utilization Revised Estimates
11th Plan (2007-12)	20,268.51	19,207.55
First 3 Years of 12th Plan (2012-2015)	15,878.07	15,848.60

(d) Government, in September 1992, has set up Antrix Corporation Limited (Antrix), as ISRO's commercial arm, under the administrative control of Department of Space for commercial exploitation of indigenously developed space technology products and services. Antrix has taken steps to provide products and services by way of: (i) Marketing of Indian Remote Sensing Satellites data to international customers, (ii) Establishment of ground stations in foreign countries to receive the IRS data (iii) Leasing of satellite transponders on-board INSAT/ GSAT satellites, (iv) Launching foreign satellites on-board Indian launch vehicles; (v) Building/marketing satellites and sub-systems for international customers and (vi) providing mission support services for foreign satellites.

Antrix, through the above activities has earned during:

(i) 11th Five Year Plan Period: Revenue of Rs.5177.27 Crores; Out of which, Foreign Exchange equivalent was Rs.511.53 Crores (77.34 Million USD and 13.93 Million Euros); and

(ii) First three years of 12th Five Year Plan Period (till 31 March 2015): Revenue of Rs.4764.71 Crores; Out of which, Foreign Exchange equivalent was Rs.564.47 Crores (14.20 Million USD and 63.43 Million Euros).

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